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ONE - 2870
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3 January 1962

GACAST WEEKLY REVIEW

21 December - 3 January

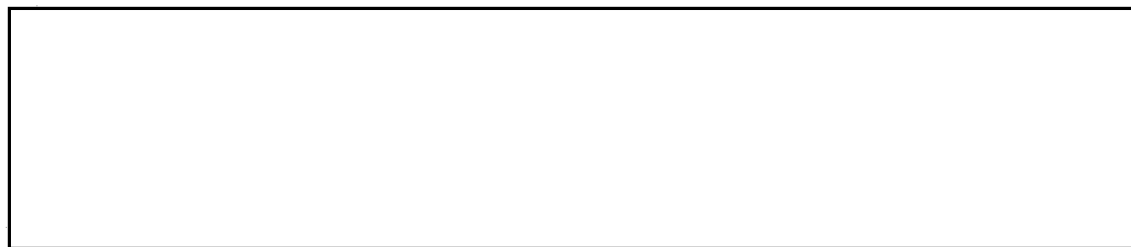
1. Testiers and Operations:

a. On 22 December, Capt. Harry Collins visited Project Headquarters to report on the parachute test program. Tests are behind schedule due to stoppages resulting from inclement weather in the test area, equipment malfunctions and test aircraft problems. Major problem areas encountered in tests:

(1) High spin rate (80 RPM) - timers are being researched by Lockheed to arrive at a reasonable and attainable spin rate.

(2) Malfunction of release mechanism between first and second stages. Lockheed has duplicated this malfunction and is coming up with a fix.

b. [] reports that he has visited Burbank, [] and San Diego between 23 December and 2 January. A trip report is being prepared by [] Meanwhile, the following salient points reported on an interim basis:



(3) []

(a) The [] work is progressing slowly. There is a plan underway to accelerate this program. [] will provide details at the 4 January meeting in Florida.

(4) Burbank:

(a) Delivery of A-12 #1 by the end of January is possible. As of 31 December, #1 was about 95% complete.

DOCUMENT NO. 127

NO CHANGE IN CLASS.

1. DECLASSIFIED

CLASS. CHANGED TO: TS S C

NEXT REVIEW DATE: 2012

AUTH: HR 70-2

DATE: 100272

REVIEWER: []

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(b) Further discussion with Lockheed about a runway barrier for [] resulted in the conclusion that no barrier is required, based on the following factors:



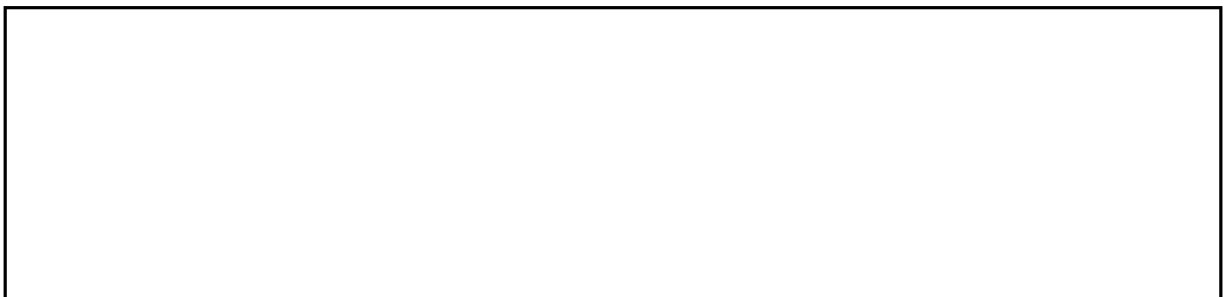
Comments: This barrier topic will be reviewed at Project Headquarters with [] return.

c. On 27-28 December [] of Minneapolis-Hennepin visited Project Headquarters:

(1) R-4 production of inertial navigation systems is on schedule.

(2) R-4 was directed to confer with Lockheed and resolve differences concerning a retrofit qualification program and production vibration tests before steps are taken to submit formal proposals to Project Headquarters.

(3) R-4 personnel met with representatives of R-1, R-2 and R-3 concerning a possible requirement for an inflight recorder and conversion unit to produce usable data from the present IQ system for use in conjunction with film for photo interpreter purposes. This discussion was strictly exploratory.



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e. On 2 January [] forwarded an OICART cover story folio to the DD/P for review.

f. On 2 January copies of [] reports (HR-2854 and HR-2861) concerning the hydraulic pump and engine problem situation were forwarded to the DD/P.

g. Engine test time accumulation for the period 20-30 December 1961:

Total engine time	29 hours
Afterburner time	0
3-20 engine time	29 hours
Hot inlet time	0
Hot turbine time	0

(1) All new lowal test stands are in operation with engines RA-112, 113, 114, RD-1, RD-2.

(2) Three additional engines are now waiting test - Engines RA-111, 116, 117.

(3) Primary effort on turbine inlet profile. Improvement realized in circumferential and radial temperature distribution.

(4) Concurrent effort on hydraulic system and controls development. Improvement realized in both areas.

(5) 23 hours of hydraulic pump mission endurance successfully completed at [] A definite improvement.

(6) The first production afterburner fuel control has been delivered to Florida. The first production main fuel control will not be delivered before 12 January 1962.

2. Agenda Items for 2 January Development Branch Meeting:

a. Review of Pratt and Whitney engine status.

b. Agenda and participants for the 4 January Suppliers meeting at Pratt & Whitney, Palm Beach, Florida.

c. Suggestions pertaining to introductory remarks of the DD/P at the 4 January Suppliers meeting

(1) Identify [] as the Headquarters SMO officer []

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(2) Flight test philosophy.

(3) Cover story status.

3. Decisions Required: None

SIGNED

JAMES PARSONS
CM/TB/210

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